

In the claims:

Please cancel claims 1-12.

Please add claims 13-28.

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~~13.~~ A light source arrangement comprising
a radiation source that emits radiation from the wavelength range 400 to 500 nm of the spectrum, and
a mixture of luminescent materials arranged to receive said radiation,
wherein one of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, Se, La, Gd, and Sm and the second component B contains at least one element from the group consisting of Al, Ga and In,
wherein another of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, Se, La, Gd, Sm and Tb and consists at least in part of Tb as a constituent of the host lattice, and the second component B contains at least one element from the group consisting of Al, Ga and In,
wherein said radiation is at least partially converted into longer-wave radiation by said mixture of luminescent materials.

~~3~~ 14. The light source arrangement of claim ~~13~~ wherein said radiation source is a blue-emitting light-emitting diode.

~~4~~ 15. The light source arrangement of claim ~~14~~ wherein said light-emitting diode is based on GaN or InGaN.

~~2~~ 16. The light source arrangement of claim ~~13~~ wherein said another of said luminescent materials includes a garnet structure having the formula $(Tb_{1-x-y}SE_xCe_y)_3(Al,Ga)_5O_{12}$, where
SE = Y, Gd, La, Sm and/or Lu;
 $0 \leq x \leq 0.5 - y$; and

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$$0 < y < 0.1.$$

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~~5~~ 17. The light source arrangement of claim ~~14~~ wherein said mixture of luminescent materials is provided as a mixture of inorganic luminescent pigment powders that is dispersed in a transparent plastic casting compound that is arranged to receive radiation from the radiation source.

~~4~~ 18. The light source arrangement of claim ~~17~~ wherein said luminescent pigment powders have particle sizes $\leq 20 \mu\text{m}$ and a mean particle diameter $d_{50} \leq 5 \mu\text{m}$.

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~~7~~ 19. The light source arrangement of claim ~~17~~ wherein said casting compound also includes at least one member of the group consisting of a thixotropic agent, a mineral diffusor, a water repellent and a bonding agent

~~8~~ 20. The light source arrangement of claim ~~18~~ wherein said casting compound also includes at least one member of the group consisting of a thixotropic agent, a mineral diffusor, a water repellent and a bonding agent.

~~9~~ 21. The light source arrangement of claim ~~17~~, ~~18~~, ~~19~~ or ~~20~~ wherein said mixture of luminescent materials is excitable by radiation from the range of 400 to 500 nm.

~~10~~ 22. The light source arrangement of claim ~~17~~, ~~18~~, ~~19~~ or ~~20~~ wherein said mixture of luminescent materials is excitable by radiation from the range of 420 to 490 nm.

~~11~~ 23. The light source arrangement of claim ~~17~~, ~~18~~, ~~19~~ or ~~20~~ wherein said another of said luminescent materials includes a garnet structure having the formula $(\text{Tb}_{1-x-y}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$, where

SE = Y, Gd, La, Sm and/or Lu;

$0 \leq x \leq 0.5 - y$; and

$0 < y < 0.1$.

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24. The light source arrangement of claim ~~17~~, ~~18~~, ~~19~~ or ~~20~~ wherein said another of said luminescent materials includes a garnet structure having the formula $(Tb_{1-x-y}SE_xCe_y)_3(Al,Ga)_5O_{12}$, where

SE = Y, Gd, La, Sm and/or Lu;

$0 \leq x \leq 0.5 - y$; and

$0 < y < 0.1$, and

wherein said mixture of luminescent materials is excitable by radiation from the range of 400 to 500 nm.

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25. The light source arrangement of claim ~~17~~, ~~18~~, ~~19~~ or ~~20~~ wherein said another of said luminescent materials includes a garnet structure having the formula $(Tb_{1-x-y}SE_xCe_y)_3(Al,Ga)_5O_{12}$, where

SE = Y, Gd, La, Sm and/or Lu;

$0 \leq x \leq 0.5 - y$; and

$0 < y < 0.1$ and

wherein said mixture of luminescent materials is excitable by radiation from the range of 420 to 490 nm.

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26. The light source arrangement of claim ~~13~~, ~~14~~, ~~15~~, ~~16~~ or ~~17~~ wherein said radiation is partially converted radiation and is mixed with emitted radiation from said radiation source to produce white light.

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27. A light source arrangement comprising
a radiation source that emits radiation from the wavelength range 430 to 480 nm of the spectrum, and
a mixture of luminescent materials arranged to receive said radiation,
wherein one of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group

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consisting of Y, Lu, Se, La, Gd, and Sm and the second component B contains at least one element from the group consisting of Al, Ga and In,

wherein another of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, Se, La, Gd, Sm and Tb and consists at least in part of Tb as a constituent of the host lattice, and the second component B contains at least one element from the group consisting of Al, Ga and In,

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wherein said radiation is at least partially converted into longer-wave radiation by said mixture of luminescent materials.

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28. A light source arrangement comprising
a radiation source that emits radiation from the wavelength range 400-500 nm of the spectrum, and

a mixture of luminescent materials having different compositions arranged to receive said radiation,

wherein at least one of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, Se, La, Gd, Sm, and Tb and consists at least in part of Tb as a constitute of the host lattice, and the second component B contains at least one element from the group consisting of Al, Ga and In,

wherein said radiation is at least partially converted into longer-wave radiation by said mixture of luminescent materials.

In the drawings:

Please amend Figures 1 and 2 as indicated in red on the enclosed sheet of drawings to delete "Ersatzblatt (Regel 26)".